DSC-F55/F55E

SONY

SERVICE MANUAL

1999. 07

US Model
Canadian Model
Tourist Model
Korea Model
DSC-F55
E Model
DSC-F55/F55E
AEP Model
UK Model
Australian Model
Hong Kong Model
Chinese Model
DSC-F55E

SUPPLEMENT-1

File this supplement-1 with the Service Manual.
(99-009)

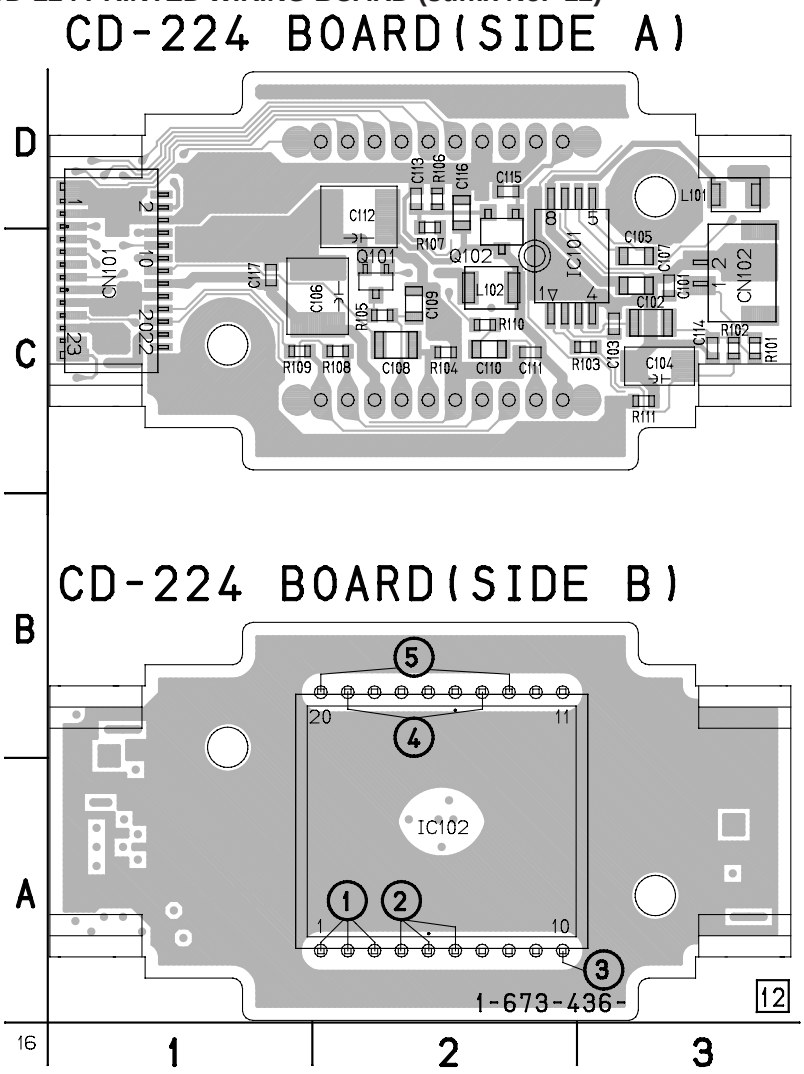
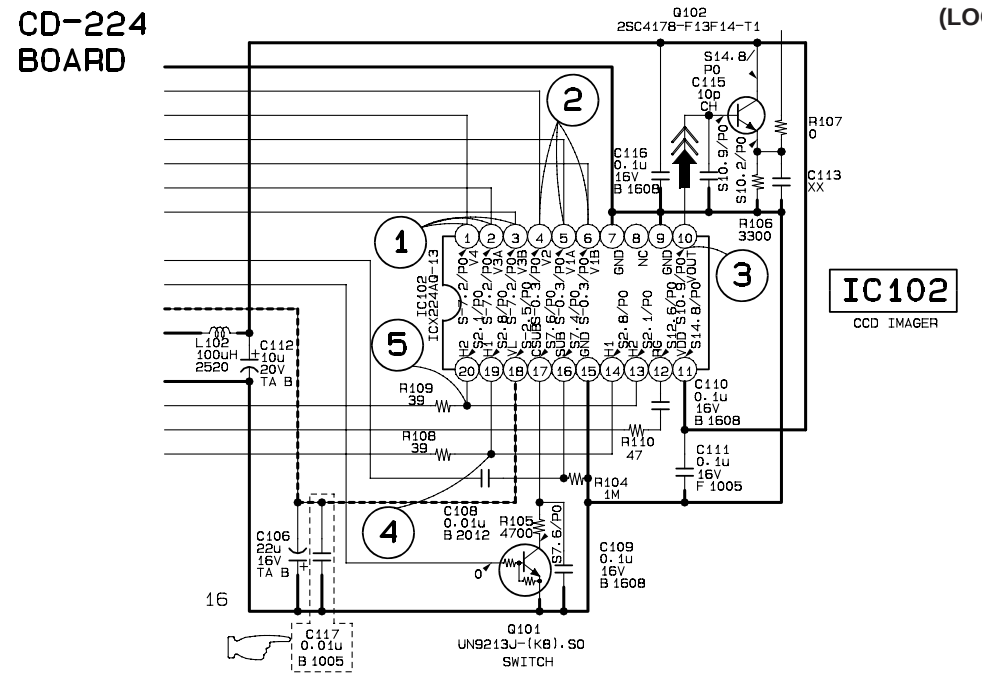
Subject:
- Addition of Korea model
- Suffix Nos. of the boards are changed.
- Adjustment data values are changed.
- Parts change
- Parts information correction

• Korea model is added to the DSC-F55.
The Korea model is same as DSC-F55: E model except accessories.
For the accessories, refer to the page 16.

• Suffix numbers of the boards are changed as shown below.

Board name	Suffix No.	Remarks	
		Schematic diagram is changed	Board layout is changed
CD-224	-11 → -12	Changed (See page 2.)	Changed (See page 2.)
DD-126	-21 → -22	Not changed	Not changed
	-22 → -23	Changed (See page 6.)	Changed (See page 4.)
MM-39	-21 → -22	Changed (See page 3.)	Changed (See page 3.)
	-22 → -23	Not changed	Not changed
VL-27	-21 → -22	Not changed	Not changed
	-22 → -23	Not changed	Not changed
SY-54	-21 → -22	Not changed	Not changed
	-22 → -23	Not changed	Not changed

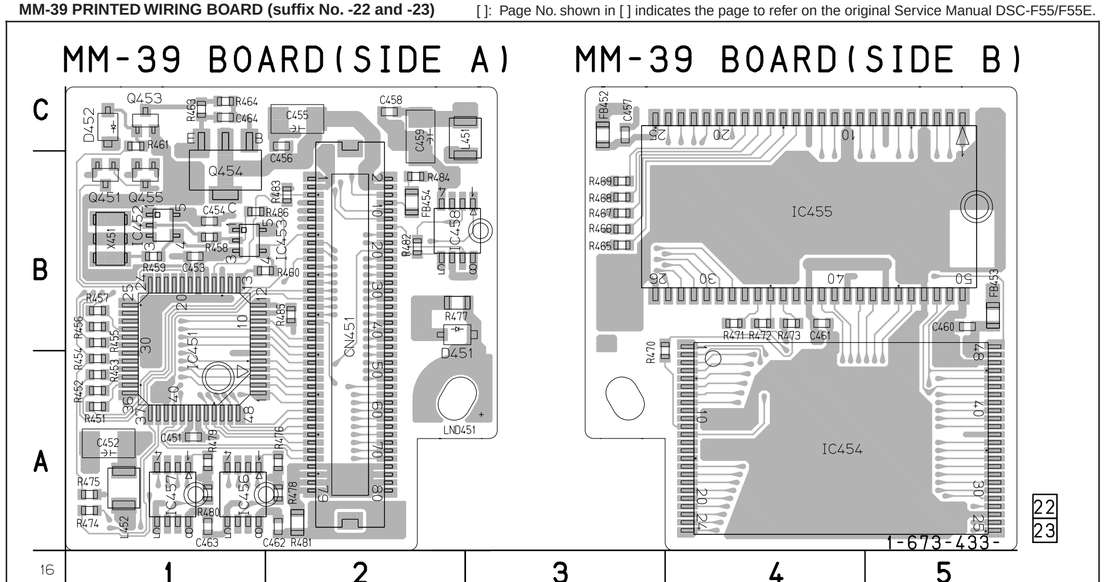
☞ : Added portion.

Page	Changed contents
4-5	**CD-224 PRINTED WIRING BOARD (suffix No. -12)**  **CD-224 BOARD** C101 C-3 C102 C-3 C103 C-3 C104 C-3 C105 C-3 C106 C-2 C107 C-3 C108 C-2 C109 C-2 C110 C-2 C111 C-2 C112 D-2 C113 D-2 C114 C-3 C115 D-2 C116 D-2 C117 C-1 CN101 C-1 CN102 C-3 IC101 C-3 IC102 A-2 L101 D-3 L102 C-2 Q101 C-2 Q102 C-2 R101 C-3 R102 C-3 R103 C-3 R104 C-2 R105 C-2 R106 D-2 R107 C-2 R108 C-2 R109 C-2 R110 C-2 R111 C-3 There are few cases that the part printed on this diagram isn't mounted in this model.
4-6	**(LOCATION E-5)** 

[Page 4-43]

MM-39 PRINTED WIRING BOARD (suffix No. -22 and -23)

[ ]: Page No. shown in [ ] indicates the page to refer on the original Service Manual DSC-F55/F55E.

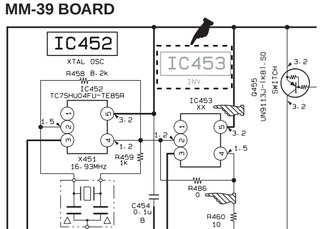


There are few cases that the part printed on this diagram isn't mounted in this model.

MM-39 BOARD

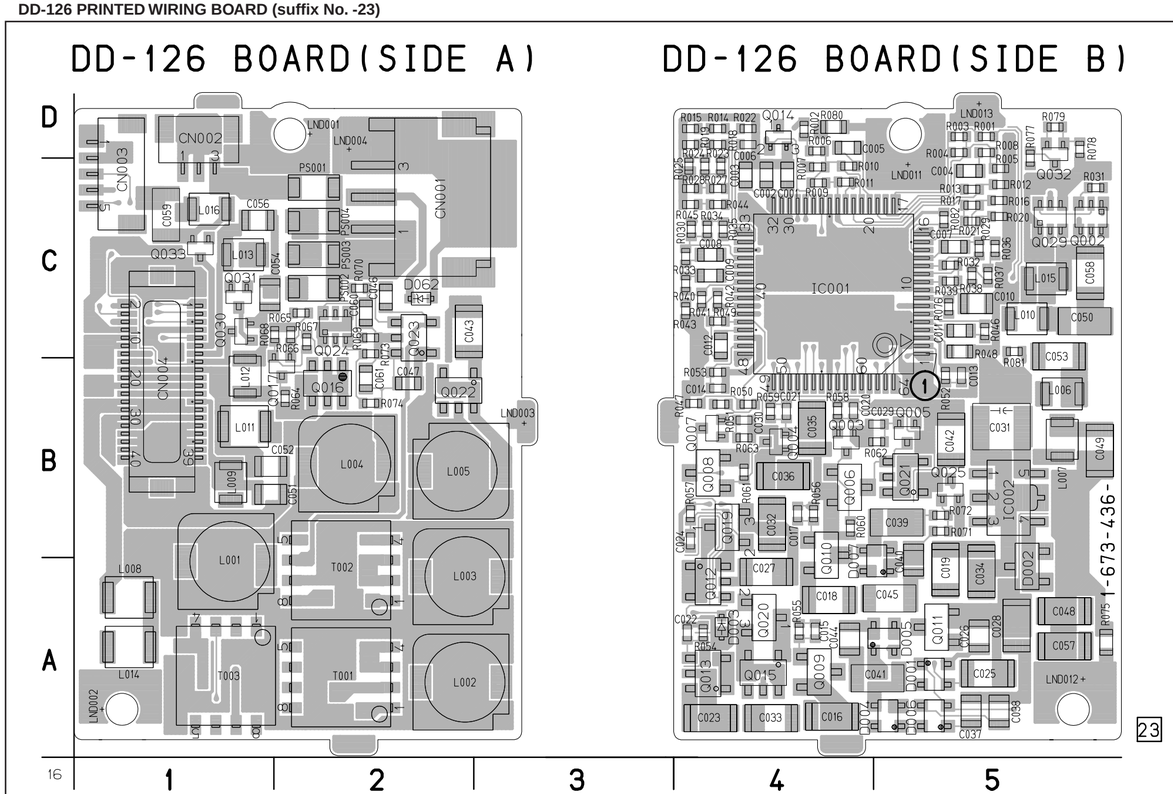
C451	A-1	IC453	B-1	R463	C-1
C452	A-1	IC454	A-4	R464	C-1
C453	B-1	IC455	B-4	R465	B-3
C454	B-1	IC456	A-1	R466	B-3
C455	C-2	IC457	A-1	R467	B-3
C456	C-2	IC458	B-2	R468	B-3
C457	C-3			R469	B-3
C458	C-2	L451	C-2	R470	B-3
C459	C-2	L452	A-1	R471	B-3
C460	B-5			R472	B-4
C461	B-4	Q451	B-1	R473	B-4
C462	A-2	Q453	C-1	R474	A-1
C463	A-1	Q454	B-1	R475	A-1
C464	C-1	Q455	B-1	R476	A-2
				R477	B-2
CN451	B-2	R451	A-1	R478	A-2
		R452	A-1	R479	A-1
D451	B-2	R453	A-1	R480	A-1
D452	C-1	R454	A-1	R481	A-2
		R455	B-1	R482	B-2
FB452	C-3	R456	B-1	R483	B-2
FB453	B-5	R457	B-1	R484	B-2
FB454	B-2	R458	B-1	R485	B-2
		R459	B-1	R486	B-1
IC451	A-1	R460	B-2		
IC452	B-1	R461	C-1	X451	B-1

: Changed portion. : Deleted portion.

Page	Changed contents
4-45	**MM-39 BOARD** (LOCATION B-7) 

[Page 4-49]

DD-126 PRINTED WIRING BOARD (suffix No. -23)



There are few cases that the part printed on this diagram isn't mounted in this model.

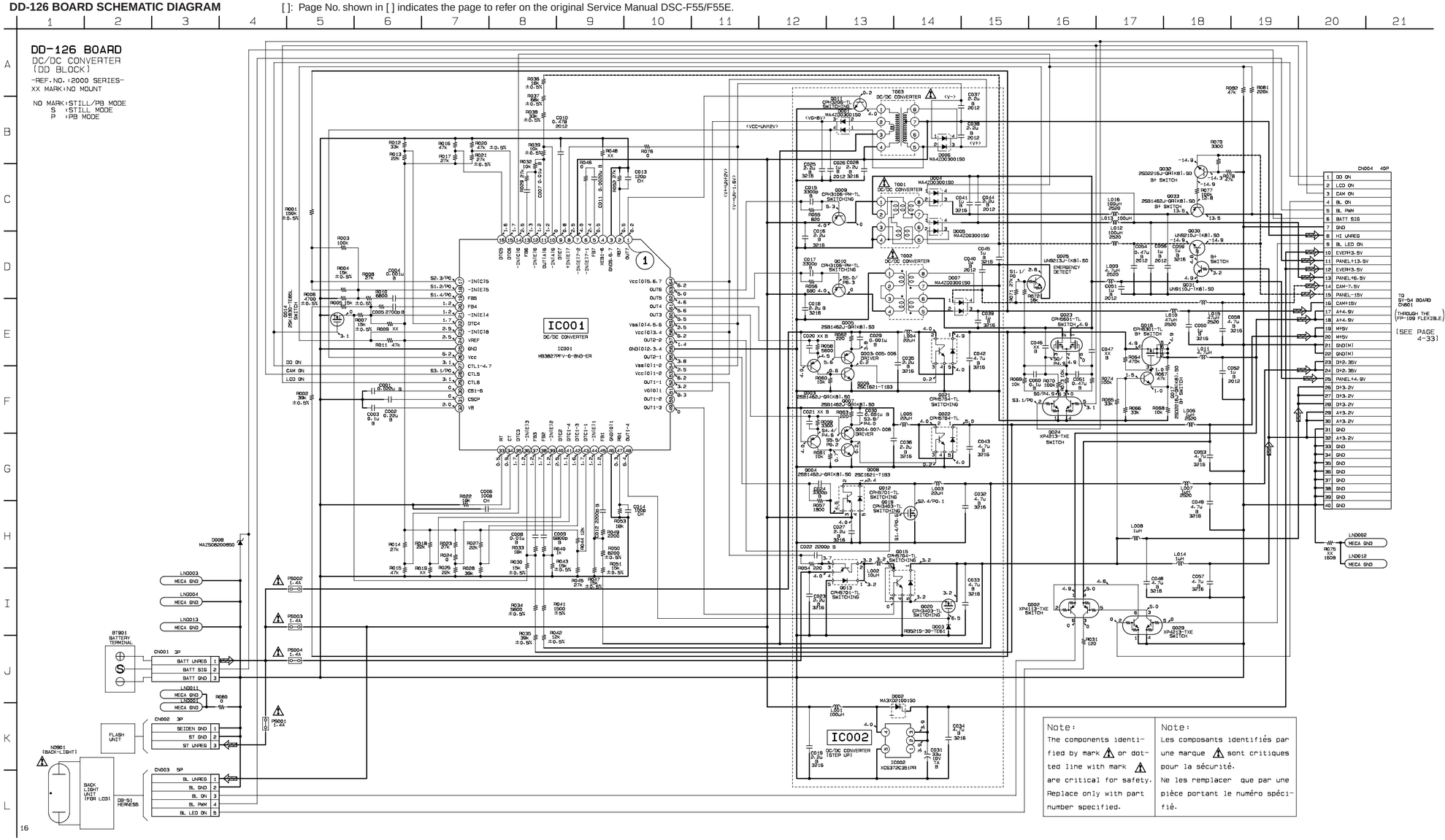
DD-126 BOARD

C001	C-4	C019	A-5	C037	A-5	C056	C-1	D007	A-4	L013	C-1	Q010	A-4	Q032	C-5	R016	C-5	R035	C-4	R053	B-4	R071	B-5
C002	C-4	C020	B-4	C038	A-5	C057	A-5	D062	C-2	L014	A-1	Q011	A-5	Q033	C-1	R017	C-5	R036	C-5	R054	A-4	R072	B-5
C003	C-4	C021	B-4	C039	B-5	C058	C-5			L015	C-5	Q012	A-4			R018	D-4	R037	C-5	R055	A-4	R073	C-2
C004	C-5	C022	A-4	C040	A-5	C059	C-1	IC001	C-4	L016	C-1	Q013	A-4	R001	D-5	R019	D-4	R038	C-5	R056	B-4	R074	B-2
C005	D-4	C023	A-4	C041	A-5	C060	C-2	IC002	B-5			Q014	D-4	R002	D-4	R020	C-5	R039	C-5	R057	B-4	R075	A-5
C006	D-4	C024	B-4	C042	B-5	C061	B-2			PS001	C-2	Q015	A-4	R003	D-5	R021	C-5	R040	C-4	R058	B-4	R076	C-5
C007	C-5	C025	A-5	C043	C-3			L001	A-1	PS002	C-2	Q016	B-2	R004	C-5	R022	D-4	R041	C-4	R059	B-4	R077	C-5
C008	C-4	C026	A-5	C044	A-4	CN001	C-2	L002	A-3	PS003	C-2	Q017	B-2	R005	C-5	R023	C-4	R042	C-4	R060	B-4	R078	D-5
C009	C-4	C027	A-4	C045	A-5	CN002	D-1	L003	A-3	PS004	C-2	Q019	B-4	R006	D-4	R024	C-4	R043	C-4	R061	B-4	R079	D-5
C010	C-5	C028	A-5	C046	C-2	CN003	C-1	L004	B-2			Q020	A-4	R007	C-4	R025	C-4	R044	C-4	R062	B-4	R080	D-4
C011	C-5	C029	B-4	C047	B-2	CN004	B-1	L005	B-3	Q002	C-5	Q021	B-5	R008	C-5	R027	C-4	R045	C-4	R063	B-4	R081	B-5
C012	C-4	C030	B-4	C048	A-5			L006	B-5	Q003	B-4	Q022	B-2	R009	C-4	R028	C-4	R046	C-5	R064	B-2	R082	C-5
C013	B-5	C031	B-5	C049	B-5	D001	A-5	L007	B-5	Q004	B-4	Q023	C-2	R010	C-4	R029	C-5	R047	B-4	R065	C-2		
C014	B-4	C032	B-4	C050	C-5	D002	A-5	L008	A-1	Q005	B-5	Q024	C-2	R011	C-4	R030	C-4	R048	C-5	R066	C-2	T001	A-2
C015	A-4	C033	A-4	C051	B-2	D003	A-4	L009	B-1	Q006	B-4	Q025	B-5	R012	C-5	R031	C-5	R049	C-4	R067	C-2	T002	A-2
C016	A-4	C034	A-5	C052	B-2	D004	A-5	L010	C-5	Q007	B-4	Q029	C-5	R013	C-5	R032	C-5	R050	B-4	R068	C-2	T003	A-1
C017	B-4	C035	B-4	C053	B-5	D005	A-5	L011	B-1	Q008	B-4	Q030	C-1	R014	D-4	R033	C-4	R051	B-4	R069	C-2		
C018	A-4	C036	B-4	C054	C-2	D006	A-5	L012	B-1	Q009	A-4	Q031	C-1	R015	D-4	R034	C-4	R052	B-5	R070	C-2		

[Page 4-51]

DD-126 BOARD SCHEMATIC DIAGRAM

[ ]: Page No. shown in [ ] indicates the page to refer on the original Service Manual DSC-F55/F55E.



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<tr><td>5-9</td><td>
1-2-1. INITIALIZATION OF D PAGE DATA

3. D Page Table
<table>
<tr><th rowspan="2">Address</th><th colspan="2">Initial value</th><th rowspan="2">Remark</th></tr>
<tr><th>NTSC</th><th>PAL</th></tr>
<tr><td>D0</td><td colspan="3"></td></tr>
<tr><td>D1</td><td colspan="3"></td></tr>
<tr><td>D2</td><td colspan="3">Fixed data-2</td></tr>
<tr><td>D3</td><td colspan="3">(Modified data, copy the data built in the same model.)</td></tr>
<tr><td>D4</td><td colspan="3">Fixed data-1</td></tr>
<tr><td>D5</td><td colspan="3">(Initialized data)</td></tr>
<tr><td>D6</td><td colspan="3"></td></tr>
<tr><td>D7</td><td colspan="3"></td></tr>
</table>
</td></tr>
<tr><td>5-10</td><td>
1-2-2. Initializing the B, E, F Page Data

3. F Page table
<table>
<tr><th rowspan="2">Address</th><th colspan="2">Initial value</th><th rowspan="2">Remark</th></tr>
<tr><th>NTSC</th><th>PAL</th></tr>
<tr><td>00 to 0F</td><td colspan="3"></td></tr>
<tr><td>10</td><td colspan="3">Fixed data-1</td></tr>
<tr><td>11</td><td colspan="3">Fixed data-2</td></tr>
<tr><td>12</td><td colspan="3">Fixed data-1</td></tr>
<tr><td>13</td><td colspan="3">(Initialized data)</td></tr>
<tr><td>14</td><td>10</td><td>10</td><td>Flange back adj.</td></tr>
<tr><td>15</td><td>00</td><td>00</td><td></td></tr>
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</td></tr>
<tr><td>5-11</td><td>
3. F Page table
<table>
<tr><th rowspan="2">Address</th><th colspan="2">Initial value</th><th rowspan="2">Remark</th></tr>
<tr><th>NTSC</th><th>PAL</th></tr>
<tr><td>93</td><td colspan="3"></td></tr>
<tr><td>94</td><td colspan="3"></td></tr>
<tr><td>95</td><td colspan="3">Fixed data-2</td></tr>
<tr><td>96</td><td colspan="3">Fixed data-1</td></tr>
<tr><td>97</td><td colspan="3">(Initialized data)</td></tr>
<tr><td>98</td><td colspan="3"></td></tr>
<tr><td>9C</td><td colspan="3"></td></tr>
<tr><td>9D</td><td colspan="3"></td></tr>
<tr><td>9E</td><td colspan="3"></td></tr>
<tr><td>9F</td><td colspan="3">Fixed data-2</td></tr>
<tr><td>A0</td><td colspan="3">Fixed data-1</td></tr>
<tr><td>A1</td><td colspan="3">(Initialized data)</td></tr>
<tr><td>A2</td><td colspan="3"></td></tr>
<tr><td>AA</td><td colspan="3"></td></tr>
<tr><td>AB</td><td colspan="3"></td></tr>
<tr><td>AC</td><td colspan="3">Fixed data-2</td></tr>
<tr><td>AD</td><td colspan="3">Fixed data-1</td></tr>
</table>
</td></tr>
</table>

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Page	Changed contents
5-12	**3. F Page table**

Address	Initial value		Remark
	NTSC	PAL	
AE			Fixed data-1
AF			(Initialized data)
B0			
B1			
B2			
B3			Fixed data-2
B4			Fixed data-1
B5			(Initialized data)
B6			
B7			
B8			
B9			
BA			
BB			Fixed data-2
BC			Fixed data-1
BD			(Initialized data)
BE			
BF			
C0			Fixed data-2
C1			(Modified data, copy the data built in the same model.)
C2			Fixed data-1
C3			Fixed data-2
C4			(Modified data, copy the data built in the same model.)
C5			
C6			
C7			Fixed data-1
C8			Fixed data-2
C9			(Modified data, copy the data built in the same model.)
CA			Fixed data-1
CB			(Initialized data)
CC			
CD			
CE			
CF			Fixed data-2
D0			Fixed data-1
D1			(Initialized data)
D2			
D3			
D4			
FA			
FB			
FC			
FD			Fixed data-2
FE			Fixed data-1
FF			(Initialized data)

Table. 5-1-3.

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4. E Page Table
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<tr><td>1B</td><td></td></tr>
<tr><td>1C</td><td></td></tr>
<tr><td>1D</td><td>Fixed data-2</td></tr>
<tr><td>1E</td><td>Fixed data-1</td></tr>
<tr><td>1F</td><td>(Initialized data)</td></tr>
<tr><td>20</td><td></td></tr>
<tr><td>21</td><td></td></tr>
<tr><td>3A</td><td></td></tr>
<tr><td>3B</td><td></td></tr>
<tr><td>3C</td><td>Fixed data-2</td></tr>
<tr><td>3D</td><td>(Modified data, copy the data built in</td></tr>
<tr><td>3E</td><td>the same model.)</td></tr>
<tr><td>3F</td><td></td></tr>
<tr><td>40</td><td>Fixed data-1</td></tr>
<tr><td>41</td><td>(Initialized data)</td></tr>
<tr><td>42</td><td></td></tr>
<tr><td>50</td><td></td></tr>
<tr><td>51</td><td></td></tr>
<tr><td>52</td><td>Fixed data-2</td></tr>
<tr><td>53</td><td>Fixed data-1</td></tr>
<tr><td>54</td><td>(Initialized data)</td></tr>
<tr><td>55</td><td></td></tr>
<tr><td>5F</td><td></td></tr>
<tr><td>60</td><td></td></tr>
<tr><td>61</td><td>Fixed data-2</td></tr>
<tr><td>62</td><td>Fixed data-1</td></tr>
<tr><td>63</td><td>(Initialized data)</td></tr>
<tr><td>64</td><td></td></tr>
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<tr><td>5-14</td><td>
4. E Page Table
<table>
<tr><th>Address</th><th>Remark</th></tr>
<tr><td>7A</td><td></td></tr>
<tr><td>7B</td><td></td></tr>
<tr><td>7C</td><td>Fixed data-2</td></tr>
<tr><td>7D</td><td>Fixed data-1</td></tr>
<tr><td>7E</td><td>Fixed data-2</td></tr>
<tr><td>7F</td><td>Fixed data-1</td></tr>
<tr><td>80</td><td>Fixed data-2</td></tr>
<tr><td>81</td><td>Fixed data-1</td></tr>
<tr><td>82</td><td>(Initialized data)</td></tr>
<tr><td>83</td><td></td></tr>
<tr><td>84</td><td></td></tr>
</table>
</td></tr>
</table>

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Page	Changed contents
5-14	**4. E Page Table**

Address	Remark
87	
88	
89	
8A	Fixed data-2
8B	(Modified data, copy the data built in the same model.)
8C	Fixed data-1
8D	(Initialized data)
8E	
8F	
90	
91	Fixed data-2
92	Fixed data-1
93	Fixed data-2
94	(Modified data, copy the data built in the same model.)
95	
96	
97	
98	
99	
9A	Fixed data-1
9B	(Initialized data)
9C	Fixed data-2
9D	Fixed data-1
9E	(Initialized data)
9F	Fixed data-2
A0	Fixed data-1
A1	(Initialized data)
A2	
AA	
AB	
AC	Fixed data-2
AD	(Modified data, copy the data built in the same model.)
AE	
AF	
B0	
B1	
B2	
B3	
B4	
B5	Fixed data-1
B6	(Initialized data)
B7	
DA	
DB	
DC	Fixed data-2
DD	(Modified data, copy the data built in the same model.)

: Changed portion.

Page	Changed contents
5-15	**4. E Page Table**

Address	Remark
DE	Fixed data-2
DF	Fixed data-1
E0	(Initialized data)
E1	
E2	
EA	
EB	
EC	
ED	Fixed data-2
EE	(Modified data, copy the data built in
EF	the same model.)
F0	Fixed data-1
F1	(Initialized data)
F2	Fixed data-2
F3	Fixed data-1
F4	Fixed data-2
F5	Fixed data-1
F6	Fixed data-2
F7	(Modified data, copy the data built in
F8	the same model.)
F9	
FA	Fixed data-1
FB	(Initialized data)
FC	
FD	
FE	
FF	Fixed data-2

Table. 5-1-4.

5. B Page Table

Address	Initial value		Remark
	NTSC	PAL	
00			Fixed data-2
01			Fixed data-1
02			(Initialized data)
03			
04			
05			Fixed data-2
06			(Modified data, copy the data built in
07			the same model.)
08			
09			
0A			Fixed data-1
0B			(Initialized data)
0C			

: Changed portion.

Page	Changed contents
5-16	**5. B Page Table** Address | Initial value (NTSC | PAL) | Remark 33 | Fixed data-1 (Initialized data) 34 35 36 37 | Fixed data-2 (Modified data, copy the data built in the same model.) 38 39 3A 3B | Fixed data-1 (Initialized data) 3C 3D 3E

SECTION 6. REPAIR PARTS LIST

: Changed portion.

Page	Old				New			
	Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
	6-1. EXPLODED VIEWS							
	6-1-1. OVERALL SECTION							
6-1	11	3-056-092-01	SCREW, HEAD (2 LOCK) TAPPING		11	3-056-092-02	SCREW, HEAD (2 LOCK) TAPPING	
	* 13	3-056-033-01	SHEET, FLEXIBLE RETAINER		* 13	3-056-033-02	SHEET, FLEXIBLE RETAINER	
	6-1-2. CABINET (FRONT) SECTION							
	51	X-3949-590-1	CABINET (FRONT) ASSY		51	X-3949-590-3	CABINET (FRONT) ASSY	
6-2	* 56	3-054-960-01	COVER, BATTERY		* 56	3-054-960-02	COVER, BATTERY	
	61	3-054-961-01	LID,BATTERY		61	3-054-961-02	LID,BATTERY	
	63	3-056-092-01	SCREW, HEAD (2 LOCK) TAPPING		63	3-056-092-02	SCREW, HEAD (2 LOCK) TAPPING	
	6-1-3. CAMERA BLOCK SECTION							
6-3	108	3-056-092-01	SCREW, HEAD (2 LOCK) TAPPING		108	3-056-092-02	SCREW, HEAD (2 LOCK) TAPPING	
	6-1-4. CABINET (REAR) SECTION							
6-4	157	3-056-092-01	SCREW, HEAD (2 LOCK) TAPPING		157	3-056-092-02	SCREW, HEAD (2 LOCK) TAPPING	

: Added portion. : Changed portion. : Deleted portion.

Page	Old				New			
	Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
	6-2. ELECTRICAL PARTS LIST							
6-5			CD-224 BOARD, COMPLETE **********					
		———	———		C117	1-164-943-11	CERAMIC CHIP 0.01uF 10%	16V
6-6			DD-126 BOARD, COMPLETE **********					
		———	———		D062	8-719-056-61	DIODE MAZS082008SO	
6-7	R026	1-218-973-11	RES,CHIP 47K 5%	1/16W	DELETE			
		———	———		R081	1-218-981-11	RES,CHIP 220K 5%	1/16W
		———	———		R082	1-218-973-11	RES,CHIP 47K 5%	1/16W
6-8			MM-39 BOARD, COMPLETE **********					
	IC453	8-759-196-97	IC TC7SH32FU		DELETE			
		———	———		R486	1-218-990-11	SHORT 0	
6-11			SY-54 BOARD, COMPLETE **********					
	IC152	8-759-573-29	IC CCD1000Y-1/2K		IC152	8-759-646-91	IC CCD1000Y-2/2K	

[Addition of Korea model]

The following table shows accessories of the DSC-F55: Korea model.

Page	DSC-F55 : Korea Model			
	Ref. No.	Part No.	Description	Remarks
			ACCESSORIES	
			**********	
	⚠	1-475-851-33	ADAPTOR, AC	
		1-772-118-11	COMPACT DISK	
		1-782-984-21	CABLE, DIGITAL STILL CAMERA(DOS/V)(1.5m)	
		1-783-738-31	CORD, CONNECTION (AV)(1.5m)	
		1-783-739-22	CORD, CONNECTION (DK-115)(1.6m)	
6-14		3-050-664-11	STRAP, HAND	
		3-866-309-11	MANUAL, INSTRUCTION(ENGLISH/SPANISH)	
		3-866-309-51	MANUAL, INSTRUCTION (TRADITIONAL CHINESE)	
		3-866-309-61	MANUAL, INSTRUCTION(ARABIC/KOREAN)	
		3-866-543-11	MANUAL, INSTRUCTION(SPANISH)	
		3-866-543-31	MANUAL, INSTRUCTION (TRADITIONAL CHINESE)	
		3-866-543-41	MANUAL, INSTRUCTION(KOREAN)	
		X-3949-596-1	CAP ASSY, LENS	
		X-3949-706-1	STRAP ASSY, LENS CAP	

Note : The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	**Note :** Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

[CORRECTION]

Correct your service manual as shown below.

: Changed portion.

Page	INCORRECT				CORRECT			
	Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
	6-1-4. CABINET (REAR) SECTION							
6-4	* 153	X-3949-855-1	CASE ASSY, BL SHIELD		* 153	3-054-949-02	CASE, BL SHIELD	
	SP901	1-529-174-11	SPEAKER (2.0 CM)		SP901	1-505-862-11	SPEAKER (2.0 CM)	

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